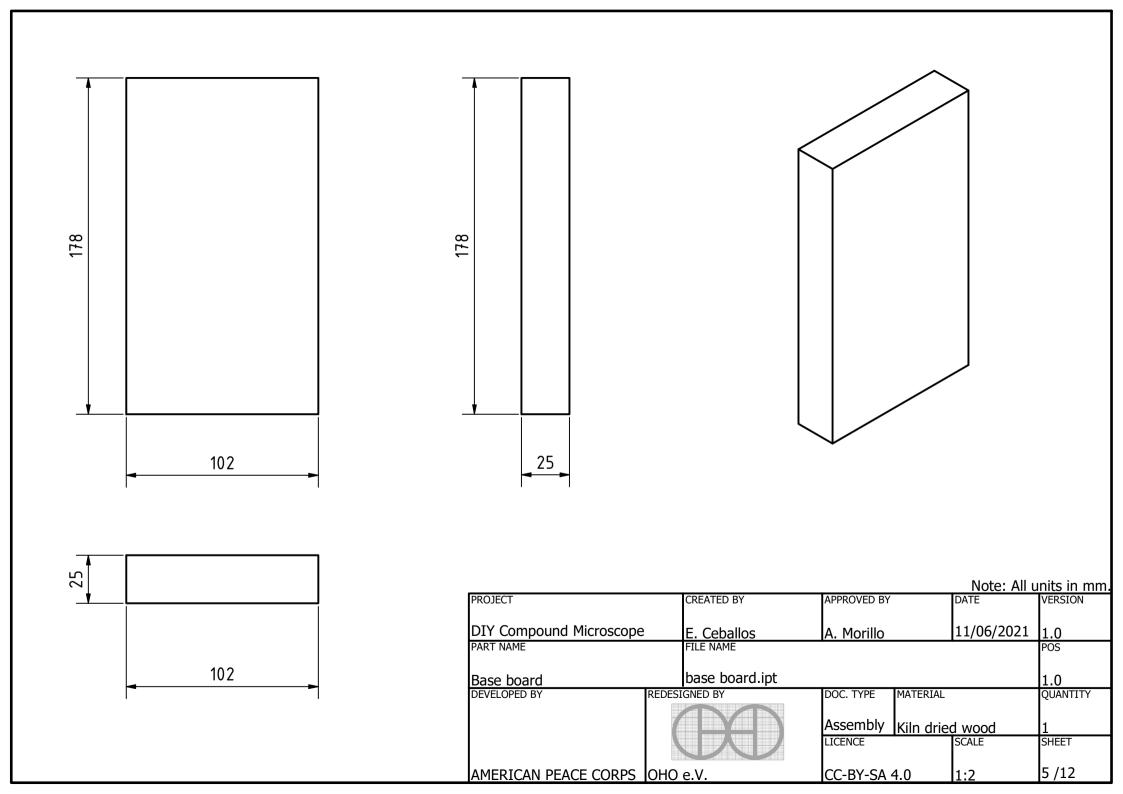


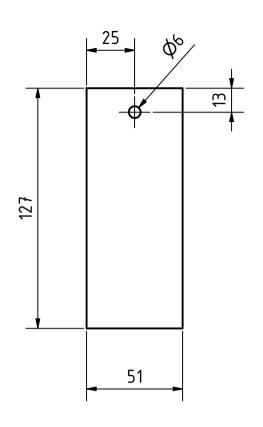
			Parts list			
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3d views	DIY compound microscope.iam			1
A2	1	Exploded 3d view	DIY compound microscope.ipn			2
B1	1	Parts list	part list.csv			3
C1	1	Technical notes				4
1	1	Base board	base board.ipt	Production	Kiln dried wood	5
2	2	Vertical support	vertical support.ipt	Production	Kiln dried wood	6
3	1	Cylinder support	cylinder support.ipt	Production	Kiln dried wood	7
4	1	Cardboard cylinder	cardboard cylinder.ipt	Production	cardboard	8
5	1	PVC cylinder	PVC cylinder.ipt	Production	PVC plastic	9
6	1	Platform	platform.ipt	Production	Kiln dried wood	10
7	1	Platform B	platform B.ipt	Production	Kiln dried wood	11
8	1	Mirror support	mirror support.ipt	Production	Kiln dried wood	12
9	1	Mirror	mirror.ipt	Buy	mirror, 25.4 mm x 50.8 mm	
10	2	Ocular lens	lens.ipt	Buy	ocular lens 25.4 mm	
11	1	Insulating tape	insulating tape B.ipt	Buy	insulating tape	
12	1	Cork	cork.ipt	Buy	cork 25.4 mm	
13	1	Penlight bulb	bulb.ipt	Buy	penlight bulb 8-10 mm	
14	2	Strapping	strapping.ipt	Buy	steel, ASTM 1045 / DIN C45, 25.4 mm	
15	2	Strapping B	strapping B.ipt	Buy	steel, ASTM 1045 / DIN C45, 25.4 mm	
16	10	Nail 1 1/2"	1 1_2 nail.ipt	Buy	steel, ASTM F-1667	
17	2	Insulating tape B	insulating tape B.ipt	Buy	insulating tape	
18	2	Screew ANSI B18.6.3	screews.ipt	Standard	ANSI B18.6.3 - 10 - 24 x 1 1/2 SR HMS	
19	1	Screew AS 2465	screew B.ipt	Standard	AS 2465 - 1/4 UNC	
20	1	Nut B	nut B.ipt	Standard	AS 2465 - 1/4 UNC	
21	2	Strapping C	strapping C.ipt	Buy	steel, ASTM 1045 / DIN C45, 25.4 mm	
22	2	Nut	nut.ipt	Standard	UNI 5590 - A M5	

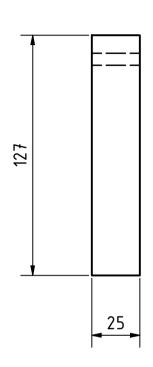
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo 11/06/2021		1.0 POS
Parts list	part list.csv	DOC. TYPE MATER	OTAL .	B1
DEVELOPED BY	REDESIGNED BY	Parts list		QUANTITY
AMERICAN PEACE CORPS	OHO e.V.	CC-BY-SA 4.0	SCALE	3 /12

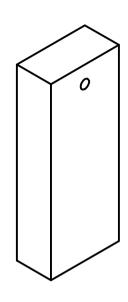
	TECHNICL NOTES
NOTES	CONTENT
GENERAL NOTES	
	The distance between the objective lens and the first lens of the eyepiece is a fixed and invariable distance whose length can be obtained by the formula:
Distance between the objective	D = S + F
	Where S is defined by:
	1/S = -1/(f+.1f) + 1/f or $S = 11 f$
	where f is the focal length of the objective lens and F is the focal length of the first lens of the eyepiece.

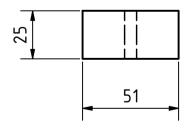
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
DIY Compound Microscope	_: 000000	A. Morillo	11/06/2021	1.0
PART NAME	FILE NAME			POS
Technical notes				C1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE MATERIA	L	QUANTITY
		Technical		
		notes		
		LICENCE	SCALE	SHEET
AMERICAN PEACE CORPS	OHO e.V.	CC-BY-SA 4.0		4 /12



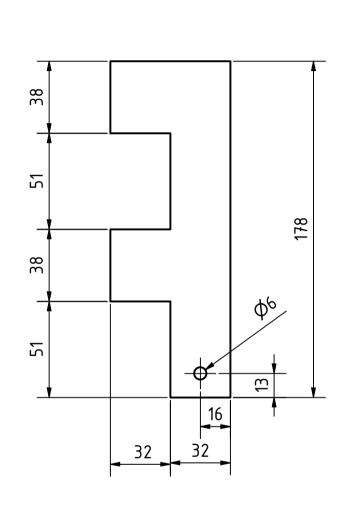


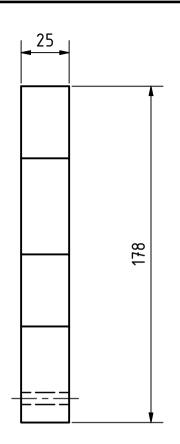


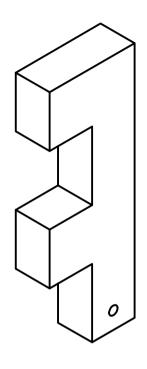


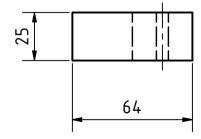


					Note: All ເ	ınits in mm.
PROJECT		CREATED BY	APPROVED BY		DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo 11/06/2021			1.0	
PART NAME		FILE NAME				POS
Vertical support	Vertical support					2
DEVELOPED BY	REDESI	GNED BY	DOC. TYPE MATERIAL			QUANTITY
	/		PART	Kiln drie	d wood	2
			LICENCE		SCALE	SHEET
AMERICAN PEACE CORPS	ОНО	e.V.	CC-BY-SA	4.0	1:2	6 /12

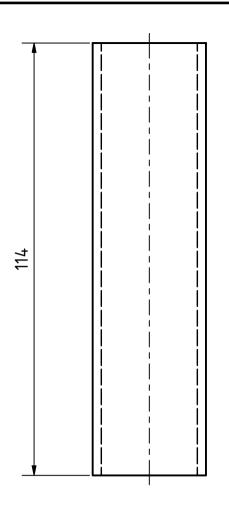


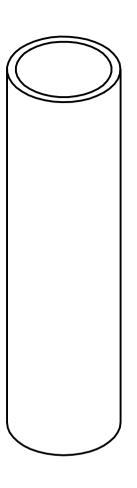


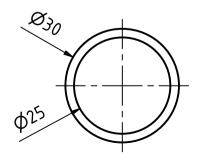




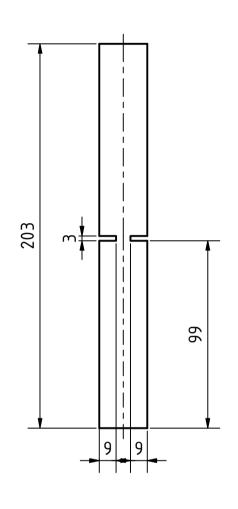
				Note: all	units in mm
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo		11/06/2021	1.0
PART NAME	FILE NAME	-		-	POS
Cylinder support	cylinder support.ipt				3
DEVELOPED BY	EDESIGNED BY	DOC. TYPE MATERIAL			QUANTITY
		PART	Kiln drie	d wood	1
		LICENCE	SCALE		SHEET
AMERICAN PEACE CORPS O	OHO e.V.	CC-BY-SA	4.0	1:2	7 /12

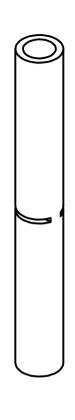


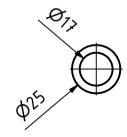




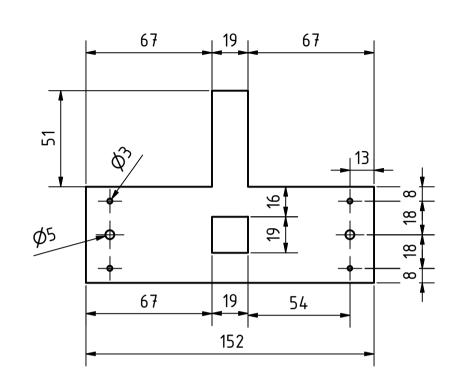
Note: all units in mm								
PROJECT		CREATED BY	APPROVED BY		DATE	VERSION		
DIY Compound Microscope	E. Ceballos	A. Morillo		11/06/2021	1.0			
PART NAME		FILE NAME						
Cardboard cylinder		cardboard cylinder.ipt				4		
DEVELOPED BY	REDESI	GNED BY	DOC. TYPE MATERIAL			QUANTITY		
			PART	cardboa	rd	1		
		LICENCE			SCALE	SHEET		
AMERICAN PEACE CORPS	OHO	e.V.	CC-BY-SA	4.0	1:1	8 /12		

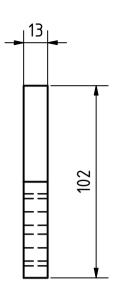


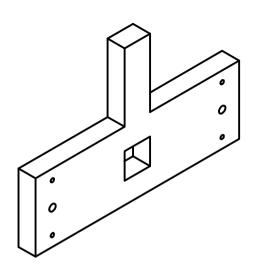


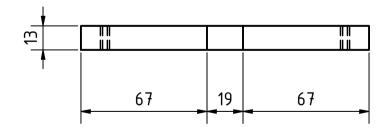


				Note: all	units in mm
PROJECT	CREATED BY	APPROVED BY	′	DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo		11/06/2021	1.0
PART NAME	FILE NAME	-		-	POS
PVC cylinder	PVC cylinder.ipt				5
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		PART	PVC plas	stic	1
		LICENCE		SCALE	SHEET
AMERICAN PEACE CORPS	OHO e.V.	CC-BY-SA	4.0	1:2	9 /12

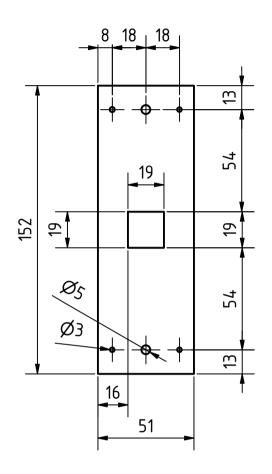


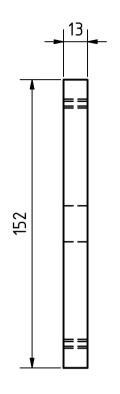


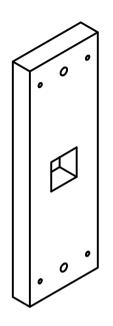


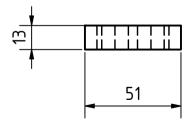


					Note: all	units in mm
PROJECT		CREATED BY	APPROVED BY		DATE	VERSION
DIV Common Microscope			 		11/06/2021	
DIY Compound Microscope		E. Ceballos	A. Morillo		11/06/2021	1.0
PART NAME		FILE NAME			-	POS
Platform		platform.ipt				6
DEVELOPED BY	REDESI	GNED BY	DOC. TYPE MATERIAL			QUANTITY
			PART Kiln		d wood	1
			LICENCE		SCALE	SHEET
AMERICAN PEACE CORPS	MERICAN PEACE CORPS OHO		CC-BY-SA	4.0	1:2	10 /12

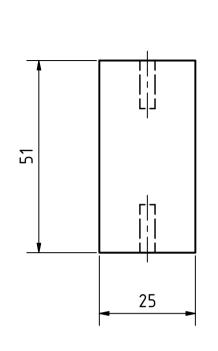


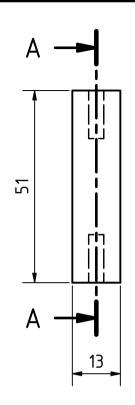


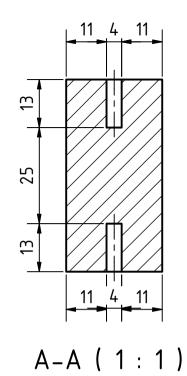


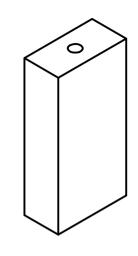


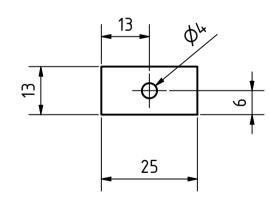
			Note: all	units in mm
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo	11/06/2021	1.0
PART NAME	FILE NAME	•	•	POS
Platform B	platform B.ipt			7
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		PART	Kiln dried wood	1
		LICENCE	SCALE	SHEET
AMERICAN PEACE CORPS	OHO e.V.	CC-BY-SA 4	1.0	11 /12











				Note: all	units in mm
PROJECT	CREATED BY	APPROVED BY	,	DATE	VERSION
DIY Compound Microscope	E. Ceballos	A. Morillo	A. Morillo 11/06/202		1.0
PART NAME	FILE NAME				POS
Mirror support	mirror support.ipt				8
DEVELOPED BY R	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		PART	Kiln drie	d wood	1
		LICENCE		SCALE	SHEET
AMERICAN PEACE CORPS	DHO e.V.	CC-BY-SA	4.0	1:1	12 /12